

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Attorney of record Keith Obert on May 26, 2011.

3. **Claim 56 has been cancelled.**
Claim 63 has been cancelled.
Claim 65 has been cancelled.

In claim 50, delete "Method of configuring a radio uplink comprising:
receiving at a network element information having both a cell specific parameter and a radio link specific parameter, in respective messages on an interface between the network element and a radio network controller for configuring the radio uplink from a user equipment to the network element,
configuring the radio uplink at the network element, and

receiving a payload packet from the user equipment to the network element over the radio uplink after the uplink is configured at the network element,

wherein at least one of said respective messages enables said configuring the radio uplink”.

Insert - - Method of configuring a radio uplink comprising:

receiving at a network element information having both a cell specific parameter and a radio link specific parameter, in respective messages on an interface between the network element and a radio network controller for configuring the radio uplink from a user equipment to the network element,

configuring the radio uplink at the network element, and

receiving a payload packet from the user equipment to the network element over the radio uplink after the uplink is configured at the network element,

wherein at least one of said respective messages enables said configuring the radio uplink, and

wherein prior to said sending said information element on said interface between said network element and said radio network controller, said radio network controller decides a value for said cell specific parameter or said radio link specific parameter, or both, for said sending said information element with said cell specific parameter and said radio link specific parameter in said one or more messages on said interface from said radio network controller to said network element - - .

In claim 53, delete “Method of configuring a radio uplink comprising:

sending information having both a cell specific parameter and a radio link specific parameter, in respective messages on an interface to a network element from a radio network controller for configuring the radio uplink from a user equipment to the network element, and

receiving a payload packet from a network element after the payload packet has been sent from the user equipment to the network element over the radio uplink that has been configured,

wherein at least one of said respective messages enables said configuring the radio uplink”.

Insert - - Method of configuring a radio uplink comprising:

sending information having both a cell specific parameter and a radio link specific parameter, in respective messages on an interface to a network element from a radio network controller for configuring the radio uplink from a user equipment to the network element, and

receiving a payload packet from a network element after the payload packet has been sent from the user equipment to the network element over the radio uplink that has been configured,

wherein at least one of said respective messages enables said configuring the radio uplink, and

wherein prior to said sending said information element on said interface between said network element and said radio network controller, said radio network controller decides a value for said cell specific parameter or said radio link specific parameter, or both, for said sending said information element with said cell specific parameter and said radio link specific parameter in said one or more messages on said interface from said radio network controller to said network element - -.

In claim 60, delete “A system, comprising:

a network element and a radio network controller connected by a signalling interface and arranged to configure a radio uplink from a user equipment to the network element, the interface being arranged to convey messages having information elements that contain parameters from the radio network controller to the network element,

wherein information elements having both a cell specific parameter and a radio link specific parameter is in respective messages on the interface between the network element and the radio network controller,

wherein the user equipment is arranged to send a payload packet to the network element over the radio uplink after the uplink is configured at the user equipment for sending the payload packet to the radio network controller, and

wherein at least one of said respective messages is arranged to enable said configuring the radio uplink”.

Insert - - A system, comprising:

a network element and a radio network controller connected by a signaling interface and arranged to configure a first radio uplink from a user equipment to the network element, the signaling interface being arranged to convey messages having information elements that contain parameters from the radio network controller to the network element,

wherein the information elements have both a cell specific parameter and a radio link specific parameter, and are conveyed in respective messages on signaling the interface between the network element and the radio network controller,

wherein the user equipment is arranged to send a payload packet to the network element over the first radio uplink after the first radio uplink is configured at the user equipment for sending the payload packet to the radio network controller,

wherein at least one of said respective messages is arranged to enable said configuring the first radio uplink, and

wherein the information is arranged to configure a second radio uplink between the second network element and the user equipment, the first radio network controller being configured to receive a payload packet from the network element over the first interface, the second radio network controller being configured to receive the payload packet from the second network element after receipt by the second network element

Art Unit: 2617

from the user equipment over the second radio uplink, and the second radio network controller being configured to send the payload packet received from the second network element to the radio network controller following the reception by the second network element from the user equipment for transfer from the second radio network controller to the first radio network controller - - .

In claim 61, delete “A data structure configured to be at least temporarily stored in a computer readable medium, the data structure comprising:

information having both a cell specific parameter and a radio link specific parameter to be transferred in respective messages on an interface between from a network element radio network controller in order to configure a radio uplink from a user equipment to the network element,

wherein said configuring is carried out in order to enable transmission of a payload packet from the user equipment to the network element over the radio uplink and from the network element to the radio network controller,

wherein at least one of said respective messages enables said configuring the radio uplink”.

Insert - - A data structure configured to be at least temporarily stored in a **non-transitory** computer readable medium, the data structure comprising:

information having both a cell specific parameter and a radio link specific parameter to be transferred in respective messages on an interface between from a network element radio network controller in order to configure a radio uplink from a user equipment to the network element,

wherein said configuring is carried out in order to enable transmission of a payload packet from the user equipment to the network element over the radio uplink and from the network element to the radio network controller,

wherein at least one of said respective messages enables said configuring the radio uplink, and

wherein prior to said sending said information element on said interface between said network element and said radio network controller, said radio network controller decides a value for said cell specific parameter or said radio link specific parameter, or both, for said sending said information element with said cell specific parameter and said radio link specific parameter in said one or more messages on said interface from said radio network controller to said network element - -.

In claim 62, delete “Apparatus comprising:

a first interface configured to communicate information having both a cell specific parameter and a radio link specific parameter in respective messages to a network element from the apparatus in order to configure a radio uplink from user equipment to the network element; and

a second interface configured to communicate the information between the apparatus which is a radio network controller and a second radio network controller connected to a second network element,

wherein at least one of said respective messages is arranged to enable said configuring the radio uplink”.

Insert - - Apparatus comprising:

a first interface configured to communicate information having both a cell specific parameter and a radio link specific parameter in respective messages to a network element from the apparatus in order to configure a radio uplink from user equipment to the network element; and

a second interface configured to communicate the information between the apparatus which is a radio network controller and a second radio network controller connected to a second network element,

wherein at least one of said respective messages is arranged to enable said configuring the radio uplink, and

wherein the information is arranged to configure a second radio uplink between the second network element and the user equipment, the first radio network controller being configured to receive a payload packet from the network element over the first interface, the second radio network controller being configured to receive the payload packet from the second network element after receipt by the second network element from the user equipment over the second radio uplink, and the second radio network

Art Unit: 2617

controller being configured to send the payload packet received from the second network element to the radio network controller following the reception by the second network element from the user equipment for transfer from the second radio network controller to the first radio network controller - -.

In claim 64, delete “Apparatus comprising:

a first interface arranged to communicate information having both a cell specific parameter and a radio link specific parameter in respective messages between the apparatus, which is a network element, and a radio network controller in order to configure an uplink channel on a radio link; and

a second interface arranged to communicate signals related to said configuring the uplink channel between the network element and the user equipment, and arranged to receive a payload packet from the user equipment to the network element over the radio uplink after said configuring the uplink channel on the radio link is carried out by the network element,

wherein the first interface is also arranged to convey the payload packet from the network element to the radio network controller following the reception by the network element from the user equipment, and

wherein at least one of said respective messages is arranged to enable said configuring the uplink”.

Insert - - Apparatus comprising:

a first interface arranged to communicate information having both a cell specific parameter and a radio link specific parameter in respective messages between the apparatus, which is a network element, and a radio network controller in order to configure an uplink channel on a radio link; and

a second interface arranged to communicate signals related to said configuring the uplink channel between the network element and the user equipment, and arranged to receive a payload packet from the user equipment to the network element over the radio uplink after said configuring the uplink channel on the radio link is carried out by the network element,

wherein the first interface is also arranged to convey the payload packet from the network element to the radio network controller following the reception by the network element from the user equipment,

wherein at least one of said respective messages is arranged to enable said configuring the uplink, and

wherein the information is arranged to configure a second radio uplink between the second network element and the user equipment, the first radio network controller being configured to receive a payload packet from the network element over the first interface, the second radio network controller being configured to receive the payload packet from the second network element after receipt by the second network element from the user equipment over the second radio uplink, and the second radio network controller being configured to send the payload packet received from the second

Art Unit: 2617

network element to the radio network controller following the reception by the second network element from the user equipment for transfer from the second radio network controller to the first radio network controller - -.

In claim 66, delete “A data structure for at least temporary storage in a computer readable medium, the data structure comprising:

information having both a cell specific parameter and a radio link specific parameter for transfer in respective messages on an interface between a network element and a user equipment in order to configure a radio uplink from the user equipment to the network element,

wherein said configuring is carried out at the network element, for enabling transmission of a payload packet from the user equipment to the network element over the radio uplink and from the network element to the radio network controller,

wherein at least one of said respective messages is arranged to enable said configuring the radio uplink”.

Insert - - A data structure for at least temporary storage in a **non-transitory** computer readable medium, the data structure comprising:

information having both a cell specific parameter and a radio link specific parameter for transfer in respective messages on an interface between a network

Art Unit: 2617

element and a user equipment in order to configure a radio uplink from the user equipment to the network element,

wherein said configuring is carried out at the network element, for enabling transmission of a payload packet from the user equipment to the network element over the radio uplink and from the network element to the radio network controller,

wherein at least one of said respective messages is arranged to enable said configuring the radio uplink, and

wherein prior to said sending said information element on said interface between said network element and said radio network controller, said radio network controller decides a value for said cell specific parameter or said radio link specific parameter, or both, for said sending said information element with said cell specific parameter and said radio link specific parameter in said one or more messages on said interface from said radio network controller to said network element - -.

In claim 67, delete “Apparatus comprising:

a first means for communicating information having both a cell specific parameter and a radio link specific parameter in respective messages between the apparatus, which is a network element, and a radio network controller for configuring an uplink channel on a radio link; and

a second means for communicating signals related to said configuring the uplink channel between the network element and the user equipment, and arranged to receive a payload packet from the user equipment to the network element over the radio uplink after said configuring the uplink channel on the radio link is carried out by the network element,

wherein the first means is also for conveying the payload packet from the network element to the radio network controller following the reception by the network element from the user equipment, and

wherein at least one of said respective messages is arranged to enable said configuring the uplink”.

Insert - - Apparatus comprising:

a first means for communicating information having both a cell specific parameter and a radio link specific parameter in respective messages between the apparatus, which is a network element, and a radio network controller for configuring an uplink channel on a radio link; and

a second means for communicating signals related to said configuring the uplink channel between the network element and the user equipment, and arranged to receive a payload packet from the user equipment to the network element over the radio uplink after said configuring the uplink channel on the radio link is carried out by the network element,

wherein the first means is also for conveying the payload packet from the network element to the radio network controller following the reception by the network element from the user equipment,

wherein at least one of said respective messages is arranged to enable said configuring the uplink, and

wherein the information is arranged to configure a second radio uplink between the second network element and the user equipment, the first radio network controller being configured to receive a payload packet from the network element over the first interface, the second radio network controller being configured to receive the payload packet from the second network element after receipt by the second network element from the user equipment over the second radio uplink, and the second radio network controller being configured to send the payload packet received from the second network element to the radio network controller following the reception by the second network element from the user equipment for transfer from the second radio network controller to the first radio network controller - - .

Allowable Subject Matter

5. **Claims 50-55, 57-62, 64, 66-67** are allowed.
6. The following is an examiner's statement of reasons for allowance:

With respect to claims 50, 53, 61, and 66, the closest prior art, Seo (US 2003/0232622) teaches a radio network controller (RNC) transmits a power offset for controlling transmission power of an uplink high-speed dedicated physical control channel (HS-DPCCH) when a user equipment (UE) enters a handover region, and Pecan (US 7, 181,223) teaches the data transmission in a GPRS/EDGE system, and in particular, the present invention relates to set up of an uplink packet data transfer in a GPRS/EDGE system, alone or in combination, the limitations of claims 50, 53, 61, and 66 as set forth above.

But Seo and Pecan fail to anticipate or render obvious, alone or in combination, the features of wherein prior to said sending said information element on said interface between said network element and said radio network controller, said radio network controller decides a value for said cell specific parameter or said radio link specific parameter, or both, for said sending said information element with said cell specific parameter and said radio link specific parameter in said one or more messages on said interface from said radio network controller to said network element as set forth in claims 50, 53, 61, and 66.

With respect to claims 60, 62, 64, and 67, the closest prior art, Seo (US 2003/0232622) teaches a radio network controller (RNC) transmits a power offset for controlling transmission power of an uplink high-speed dedicated physical control channel (HS-DPCCH) when a user equipment (UE) enters a handover region, and Pecan (US 7, 181,223) teaches the data transmission in a GPRS/EDGE system, and in

Art Unit: 2617

particular, the present invention relates to set up of an uplink packet data transfer in a GPRS/EDGE system, alone or in combination, the limitations of claims 60, 62, 64, and 67 as set forth above.

But Seo and Pecen fail to anticipate or render obvious, alone or in combination, the features of wherein the information is arranged to configure a second radio uplink between the second network element and the user equipment, the first radio network controller being configured to receive a payload packet from the network element over the first interface, the second radio network controller being configured to receive the payload packet from the second network element after receipt by the second network element from the user equipment over the second radio uplink, and the second radio network controller being configured to send the payload packet received from the second network element to the radio network controller following the reception by the second network element from the user equipment for transfer from the second radio network controller to the first radio network controller as set forth in claims 60, 62, 64, and 67.

Dependent Claims 51-52, 54-55, 57-59, and 68 are allowable for the same reason as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2617

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles N. Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Art Unit: 2617

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/MICHAEL T VU/
Examiner, Art Unit 2617

/Charles N. Appiah/
Supervisory Patent Examiner, Art Unit 2617